

Finn Buick

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SOFTWARE ENGINEER

WORK EXPERIENCE

Upstreet

SOFTWARE ENGINEER | APR 2021 - PRESENT

- Lead the development of a full-stack production web app using **Typescript**, **React**, **Material UI**, **Firestore** and **GCP Cloud Functions**. Utilized **test driven development** to build out and deploy the app in less than 5 months.
- Built an internal tool for managing the offers displayed in our mobile app. Made using **Firestore**, **Node** and a **Firestore** based spreadsheet UI.
- Implemented a custom email verification system using **React**, **Firestore Auth SDK** and **Twilio SendGrid**

ExhibitionCo

IT ADMIN | MAY 2017 - APR 2021

- Wrote a script to web scrape a list of potential clients' details from public info into a spreadsheet to be used by the sales department, saving hours of data entry, built using **Python**.
- Responsible for providing technical support including troubleshooting hardware and software issues.
- Responsible for IT solutions and maintenance

SKILLS

- React
- TypeScript
- Node
- Express
- HTML & CSS
- Python
- Communication
- Google Cloud Platform (Cloud Functions, Build, Run & Storage)

PROJECTS

SPOTIFY FAVOURITES

- A **React** app to show users a list of their most listened to songs on Spotify. Deployed @ <https://spotify-favourites.herokuapp.com>.

HELP.ME

- An online local "favour" marketplace. Powered by **React**, **Typescript** and **Firestore**.

FINGER COUNTER

- A university project to identify the number of fingers a person was holding up in a live video stream using computer vision. Written in **Python** and utilizing a computer vision library called **OpenCV**.

CAFÉ SHENKIN LOYALTY REWARDS

- An industry sponsored university project to provide café customers with rewards on their purchases by scanning QR codes. Written in **Swift** and using **Firestore Auth** and **Firestore**

ACADEMIC HISTORY

Macquarie University

BACHELOR OF ENGINEERING (SOFTWARE)(HONS)
| 2015 - 2021

- Learned about data structures, algorithms, design patterns, web development, systems programming and software engineering practices
- My final year thesis project was to build a predictive text editor for a Controlled Natural Language

Udemy

THE MODERN REACT BOOTCAMP 2021

- Learned modern **React** development including React Hooks, Context, NextJS, React Router